

Appl. No. 09/976,199

Attorney Docket: 042390.P9821

LISTING OF THE CLAIMS:

This listing of claims replaces all prior versions, and listings, of claims in the application:

- 1 1: (Previously Presented) A method for at least partially compensating luminance of an emissive
 2 display comprising:
 3 having a desired luminance, as a function of time, for one or more organic light emitting
 4 diodes (OLEDs) included in said emissive display;
 5 estimating the amount of degradation of the OLEDs; and
 6 utilizing, at least in part, the estimated amount of degradation, attempting to adjust
 7 (adjusting) the luminance of the OLEDs to the desired luminance.

2: (Cancelled)

- 1 3: (Previously Presented) The method of claim 1, wherein estimating includes estimating a
 2 characteristic substantially correlated with said degradation.

- 1 4: (Original) The method of claim 3, wherein said estimating includes measuring the voltage
 2 across said one or more OLEDs at a substantially constant current flow through said one or more
 3 OLEDs.

- 1 5: (Previously Presented) The method of claim 1, wherein measuring said voltage across said
 2 one or more organic light emitting diodes (OLEDs) includes measuring the reverse bias
 3 resistance of said one or more OLEDs.

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1 6: (Previously Presented) The method of claim 1, wherein adjusting includes adjusting the
2 amount of electrical energy applied to said one or more organic light emitting diodes (OLEDs).

1 7: (Original) The method of claim 6, wherein adjusting includes increasing the voltage applied
2 across said one or more OLEDs.

1 8: (Original) The method of claim 7, wherein increasing includes utilization of a lookup table.

1 9: (Original) The method of claim 8, wherein said lookup table includes values such that the
2 luminance of said one or more organic light emitting diodes (OLEDs) achieved by the
3 adjustment essentially decreases over time.

1 10: (Previously Presented) The method of claim 1, wherein said method further comprises
2 adjusting the luminance of said one or more organic light emitting diodes (OLEDs) based, at
3 least in part, upon estimating the amount of degradation of one or more other organic light
4 emitting diodes (OLEDs).

1 11: (Currently Amended) An apparatus comprising:
2 one or more organic light emitting diodes (OLEDs);
3 a measurement circuit capable of estimating the amount of degradation of the OLEDs;

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4 and
5 a control system ~~having a~~ having a desired luminance, as a function of time, for the
6 OLEDs;
7 wherein the control system is capable of, utilizing at least in part the estimated amount of
8 degradation, attempting to adjust (adjusting) the luminance of the OLEDs to the desired
9 luminance.

12: (Cancelled).

1 13: (Previously Presented) The apparatus of claim 11, wherein the estimation of the amount of
2 degradation, made by said measurement circuit, includes an estimation of a characteristic
3 substantially correlated with said degradation.

1 14: (Original) The apparatus of claim 13, wherein said measurement circuit is capable of
2 measuring the reverse bias resistance of said one or more organic light emitting diodes (OLEDs)
3 operating at a substantially constant current.

1 15: (Previously Presented) The apparatus of claim 11, wherein said control system is capable of
2 adjusting said luminance of said one or more organic light emitting diodes (OLEDs) by adjusting
3 the substantially instantaneous current through said OLEDs.

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1 16: (Previously Presented) The apparatus of claim 11, wherein said control system comprises a
2 series of data that correlates a desired luminance with the estimated degradation of said one or
3 more OLEDs.

1 17: (Original) The apparatus of claim 16, wherein said control system utilizes said series of data
2 to adjust the luminance of said one or more OLEDs.

1 18: (Original) The apparatus of claim 17, wherein said control system comprises a series of data
2 that correlates a desired luminance with the estimated degradation of said one or more OLEDs
3 such that said desired luminance decreases as said estimated degradation of said one or more
4 OLEDs increases.

1 19: (Previously Presented) The apparatus of claim 11, wherein said control system includes a
2 storage medium having a plurality of machine accessible instructions, wherein, when said
3 instructions are executed by said control system, the instructions provide for
4 utilizing a signal from said measuring circuit;
5 estimating a desired luminance for said OLEDs; and
6 adjusting the current applied to said OLEDs based at least in part upon said signal.

Claims 20 – 29: (Cancelled).